



Express Mail No. EV 366 597 905 US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Wies *et al.*
Serial No.: 10/092,158
Filing Date: March 5, 2002
For: DEFINING FORCE SENSATIONS ASSOCIATED WITH
GRAPHICAL IMAGES
Examiner: Geckil, Mehmet B.
Art Unit: 2142

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Sir:

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Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, Applicants submit herewith on Form PTO/SB/08a a listing of documents known to the Applicants and/or their attorney. Applicants respectfully requests consideration of the cited documents and making the same of record in the prosecution of the above-identified application. In so doing, Applicants do not waive any rights to take appropriate action to establish patentability over the listed documents should they be applied as references against the claims of the present application. Copies of the documents are enclosed.

This statement should not be construed as a representation that more material information does not exist or that a search of the relevant art has been made. It is respectfully requested that the references listed on the attached form PTO/SB/08a be expressly considered by the Examiner, made of record in the application, and appear among the "References Cited" on any patent to issue therefrom.

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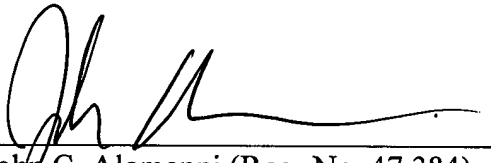
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This Information Disclosure Statement is being submitted before the mailing date of a Notice of Allowance in this application. No item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement. In accordance with the requirements of 37 C.F.R. § 1.97(d), please find attached a check in the amount of \$180.00 to cover the fee set forth in 37 C.F.R. § 1.17p. The Commissioner is authorized to charge any additional fees to Deposit Account 16-1435. A duplicate of this document is attached for that purpose.

Respectfully submitted,

Date:

Jun 10, 2004


John C. Alemanni (Reg. No. 47,384)

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PTO/SB/08a (08-03)

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**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number 10/092,158

Filing Date March 5, 2002

First Named Inventor Wies et al.

Art Unit 2142

Examiner Name Geckil, Mehmet

Attorney Docket Number IMM062C

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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	1	5,880,731	3/9/1999	Liles, et al.	
	2	5,907,677	5/25/1999	Glenn, et al.	
	3	5,933,599	8/3/1999	Nolan	
	4	5,956,484	9/21/1999	Rosenberg, et al.	
	5	6,076,100	6/13/2000	Cottrille, et al.	
	6	6,101,530	8/8/2000	Rosenberg, et al.	
	7	6,154,773	11/28/2000	Roberts, et al.	
	8	6,166,732	12/26/2000	Mitchell, et al.	
	9	6,219,045	4/17/2001	Leahy, et al.	
	10	6,249,806	6/19/2001	Kohda, et al.	
	11	6,256,663	7/3/2001	Davis	
	12	6,281,651	8/28/2001	Haanpaa, et al.	
	13	6,342,880	1/29/2002	Rosenberg, et al.	
	14	6,347,307	2/12/2002	Sandhu, et al.	
	15	6,349,301	2/19/2002	Mitchell, et al.	
	16	6,396,509	5/28/2002	Cheng	
	17	6,429,846	8/6/2002	Rosenberg, et al.	
	18	6,442,590	8/27/2002	Inala, et al.	
	19	6,539,218	3/25/2003	Higuchi, et al.	
	20	6,563,487	5/13/2003	Martin, et al.	
	21	6,678,720	1/13/2004	Matsumoto, et al.	
	22	6,693,626	2/17/2004	Rosenberg	
	23	09/153,781	9/16/1998	Rosenberg, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2 of 2

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Application Number	10/092,158
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First Named Inventor	Wies et al.
Art Unit	2142
Examiner Name	Geckil, Mehmet B.
Attorney Docket Number	IMM062C

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	24	MANIA, Katerina, et al., A Classification for User Embodiment in Collaborative Virtual Environments; www.cs.bris.ac.uk/Tools/Reports/Abstracts/1998 - mania.html printed 6/9/2004	
	25	BOUGUILA, Laroussi, et al., Effect of Coupling Haptics and Stereopsis on Depth in Virtual Environment, pp. 54-62; www.dcs.gla.ac.uk/~stephen/workshops/haptic/papers/bougilia-paper.pdf printed 6/9/2004	
	26	Real Time Graphics, Vol 7, No. 2; Computer Graphics Systems Development Corp., August 1998, pp. 1-20; www.cgsd.com/rtgAug98.pdf printed 6/9/2004	
	27	BENFORD, Steve, et al., eRENA - Deliverable 7b.1 Pushing Mixed Reality Boundaries, February 1999; www.nada.kth.se/erena/pdf/D7b_1.pdf printed 6/9/2004	
	28	PAO, Lucy, et al., Synergistic Visual/Haptic Computer Interfaces, May 1998, pp. 155-162; schof.colorado.edu/~pao/anonftp/Vietnam.ps printed 6/9/2004	
	29	MCLAUGHLIN, Margaret, et al., The USC Interactive Art Museum: Removing the Barriers between Museums and their Constituencies; http://ascusc.org/jcmc/paperforica.html printed 7/22/2003	
	30	Virtual Realty (VR) Development at SERI (Korea), pp. 1-9, 1998; www.atip.org/public/atip.reports.98/atip98.059r.html printed 6/9/2004	

Examiner Signature	Date Considered
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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